FINAL
REMOVAL ACTION REPORT
PRAIRIELAND STEEL SITE
HAVANA, MASON COUNTY, ILLINOIS
TDD NO. S05-0710-001

June 17, 2008

Prepared for:

U.S. Environmental Protection Agency
Emergency Response Branch, Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Prepared by: Jennifer Knoepfle
Jennifer Knoepfle, START Project Manager — Date: 6/17/08

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STN Environmental, JV
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June 17, 2008

Mr. Mike Ribordy
On-Scene Coordinator
Emergency Response Branch
US Environmental Protection Agency Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Subject: **Final Removal Action Report**
Prairieland Steel Site
Havana, Mason County, Illinois
Contract No. EP-S5-06-03, TDD No. S05-0710-001

Dear Mr. Ribordy:

STN Environmental JV (STN), the Superfund Technical Assessment and Response Team (START) contractor for Region 5, has prepared the enclosed removal action report in accordance with the requirements of U.S. Environmental Protection Agency (U.S. EPA) Technical Direction Document (TDD) No. S05-0710-001. The enclosed removal action report (1) presents an introduction that discusses the scope of the TDD and the report organization; (2) discusses the site background; (3) discusses removal action activities, including soil screening for lead and analytical results for confirmation soil samples; and (4) presents a summary of the removal action activities completed from October 11 through October 19, 2007. U.S. EPA's Emergency and Rapid Response Services (ERRS) contractor, Earth Tech, performed the removal action activities. Earth Tech procured all analytical services and later delivered the analytical results to START.

START documented on-site conditions in a field logbook and a photographic log for the removal action and associated activities (Appendix A of the enclosed report). START also assembled and reviewed all analytical results generated during the removal action (Appendix B of the enclosed report). START archived all financial, analytical, and oversight related records, and prepared site-related documents as necessary for the on-scene coordinator (OSC). Archived documents will be delivered under separate cover to the U.S. EPA after the submission and U.S. EPA review of this report. All documents referred to in the enclosed report consist of original documentation of activities conducted at Prairieland Steel Site.

If you have any questions or comments regarding this report or require any additional information, please contact me at (312) 443-0550, extension 16.

Sincerely,

Jennifer Knoepfle

Jennifer Knoepfle
STN START Project Manager

Enclosure

cc: Gail Stanuch, U.S. EPA START Project Officer
Raghu Nagam, STN START Program Manager
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ENCLOSURE

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(12 Pages)

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1.0 INTRODUCTION

Under Contract No. EP-S5-06-03, Technical Direction Document (TDD) No. S05-0710-001, the U.S. Environmental Protection Agency (U.S. EPA) tasked STN Environmental JV (STN), the Superfund Technical Assessment and Response Team (START) contractor, to support a fund-lead removal action at Prairieland Steel (PLS) Site (CERCLIS Identification No. ILD005229497) in Havana, Mason County, Illinois. The TDD specifies that START would perform the following activities:

- Provide appropriate technical information that details strategies to mitigate the threat(s) to human health and the environment from hazardous substances
- Provide U.S. EPA with technical support in monitoring on-site activities by federal, state, and local agencies and contractor(s)
- Provide cost oversight during fund-lead removal actions
- Collect and document facts regarding the discharge or release or threat of discharge or release of hazardous substances, including source(s) and cause(s)
- Analyze the nature, amount, and location of discharged or released materials
- Identify human and environmental exposure pathways
- Develop options to abate, prevent, minimize, stabilize, mitigate, contain, control, eliminate, or remove the release(s) or threat(s) of release
- Recommend waste disposal options

This removal action report discusses the site background (Section 2.0); discusses removal action activities, including soil screening for lead analytical results for confirmation soil samples (Section 3.0); presents a summary of the removal action activities (Section 4.0); and lists the references used to prepare this report (Section 5.0). Tables and figures are presented after Section 5.0. START documented on-site conditions with written logbook notes and a photographic log (Appendix A). Appendix B presents a copy of all analytical results generated during the removal action. All photographs not shown in the photographic log are recorded on a compact disk (CD) in the archived site documents, which will be provided to U.S. EPA under separate cover.

2.0 SITE BACKGROUND

This section summarizes the site description and history, and discusses the premise for the removal action and the cleanup criteria action levels.

2.1 SITE DESCRIPTION AND HISTORY

The PLS Site is located at 550 South Pear Street in Havana, Mason County, Illinois (see Figure 1). Pear Street is a former road and not publicly accessible. The PLS Site is triangular and bounded by South Schraeder , South Water, and West Tinkham Streets to the east, west, and south, respectively. The site is composed of a least five separate parcels, of which four are under private ownership.

Currently, four industrial buildings are present on site, including Profile Screens Inc. and storage facilities that were formerly PLS Site buildings. The PLS Site contains two concrete pads (a north and south concrete pad), a lead waste pile area (LWPA), and two former railroad right-of-way (ROW) areas. The concrete pads are located west of Pear Street, and the north concrete pad is separated from the south pad by a 1- to 2-foot step (see Figure 2). The north pad measures approximately 90 by 90 feet, and the much larger south pad measures 135 by 225 feet. The LWPA is located east of Pear Street between this former street and two former PLS Site buildings and measures approximately 55 by 105 feet. The ROWs run parallel to South Water and South Schrader Streets and are owned by the City of Havana. The removal action focused on the area encompassing the north and south concrete pads, Pear Street, the LWPA, and some of the broken asphalt just south of the LWPA.

The site is in a mixed-use area, with residences located to the west and south, a concrete plant to the east with residences beyond, and a commercial area to the north also with residences beyond. Most of the 3,600 residents in Havana, Illinois, are located within 1 mile of the site. The nearest residence to the site is located approximately 330 feet west of the LWPA. The Illinois River is located approximately 0.5 mile west of the site.

2.2 PREMISE FOR REMOVAL ACTION

A review of Sandborn maps revealed that industrial processes have taken place on a least one parcel of the site since 1887. Prairieland Steel, Inc., obtained the property in 1959 and produced industrial-strength wire by drawing raw material stock 304 and 316 stainless steel through dies to give the wire the desired shape and thickness. Electric motors pulled the wire through the redraw device, and lead dross was used

as the lubricant. At various times, the industrial-strength wire was cleaned during the final production steps using tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1 trichloroethane (TCA) as degreasers. As of 1992, the wire-cleaning process changed from using the listed hazardous waste products to white soap and nonhazardous caustic cleaner.

In August 1980, Prairieland Steel, Inc., notified the Illinois Environmental Protection Agency (IEPA) that it was a generator of hazardous waste under the Resource Conservation and Recovery Act (RCRA). On October 10, 1980, Prairieland Steel, Inc., signed and submitted a RCRA Part A permit application that notes on-site storage of 8.6 million pounds per year of K063 (delisted wastewater). IEPA inspected the site in 1981 and determined that it was a small-quantity generator. In 1990, an IEPA inspection determined that the site was a large-quantity generator operating as an illegal hazardous waste storage facility. The facility was placed on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) in August 1991. U.S. EPA conducted a preliminary site assessment in August 1992. Site operations ceased in 1996.

Based on the preliminary site assessment, the PLS Site was evaluated and recommended for a removal action, which U.S. EPA completed in 1996. The 1996 removal action included the removal of 7,000 gallons of corrosive wastes; 45 drums of lead slag; 7 drums of solid wastes; 18 drums of liquid wastes; and 25 cubic yards of nonhazardous debris, mainly from inside the site building (E&E 1996). In 2000, most of the PLS site structures were demolished by the City of Havana using Brownfields grant money.

In June 2004, IEPA conducted a pre-CERCLIS screening assessment. An x-ray fluorescence (XRF) survey was conducted at PLS Site. The XRF survey revealed lead levels up to 67,000 parts per million (ppm) and elevated levels of arsenic, primarily in the upper 2 feet of soil. XRF measurements from the IEPA assessment also revealed lead concentrations of up to 45,000 ppm and an analytical lead concentration of 360 milligrams per kilogram (mg/kg) pursuant to the Toxicity Characteristic Leaching Procedure (TCLP).

In July 2006, U.S. EPA conducted a site assessment of the LWPA and ROWs to quantitatively confirm the XRF results. At the LWPA, elevated concentrations of lead as high as 210,000 mg/kg were detected in soil samples collected from 0 to 6 inches below ground surface (bgs) (STN 2006).

2.3 ACTION LEVELS

Soil Action Level: Soil samples were analyzed for total lead. A lead action level of 800 mg/kg was used as the cleanup criterion action level. Soils containing lead at concentrations exceeding 800 mg/kg were subject to the removal action.

Air/Particulate Matter Action Level: A lead action level of 0.12 milligram per cubic meter (mg/m^3) was used to trigger mitigation actions during the excavation of contaminated areas. This action level was derived based on the highest lead concentration from the site assessment of 210,000 mg/kg detected in site soils and a permissible exposure limit (PEL) of 0.05 mg/m^3.

3.0 REMOVAL ACTION ACTIVITIES

Based on U.S. EPA's July 2006 site assessment, PLS Site was determined to require a time-critical removal action. On October 11, 2007, U.S. EPA; U.S. EPA's Emergency and Rapid Response Services (ERRS) contractor, Earth Tech; and START mobilized to the PLS Site for the removal action. The removal action consisted of site mobilization (Section 3.1); pre-excavation activities (Section 3.2.); excavation, backfill, and sealing/capping activities (Section 3.3); analytical sampling (Section 3.4); and waste consolidation and disposal (Section 3.5). Specifically, removal action activities at the site included air monitoring, XRF screening, photoionization detector (PID) screening, excavation of contaminated soils, capping the concrete pad, analytical sampling, and transportation and disposal of soils. All removal action work was performed from October 11 through 19, 2007, with final sealing/capping activities occurring on November 13, 2007.

3.1 SITE MOBILIZATION

During the week of October 11, 2007, U.S. EPA, START, and ERRS mobilized to the site. All parties reviewed the site health and safety plan (STN 2007) and conducted a site familiarization tour. START conducted particulate matter monitoring using a DataRAM 4000 during site mobilization activities to determine background particulate concentrations.

3.2 PRE-EXCAVATION ACTIVITIES

Pre-excavation XRF screening was conducted prior to soil excavation at the PLS Site. Characterization of the south concrete pad, Pear Street, LWPA, and areas south of the LWPA were screened for lead on October 11 and 12, 2007, using a Niton XRF analyzer. The north concrete pad was screened on October 16, 2007.

On October 11, 2007, START screened the vegetated area of the south concrete pad, the LWPA, and the area south of the LWPA, which includes a crumbling asphalt area, a drain, former train tracks, and a grassy area where cars are stored (see Figure 3). A total of 35 locations were screened using the XRF analyzer. The highest lead concentration of 276,200 ppm occurred in the LWPA, while most of the areas with soil were measured with lead concentrations above the clean-up criterion action levels. Therefore these areas were determined to meet the requirements for excavation.

On October 12, 2007, START screened Pear Street with an XRF analyzer, and Pear Street was divided into 21 5- by 3-foot sampling grids (see Figure 3). Of the 23 XRF sample measurements, 3 were below the soil cleanup criterion action level of 800 ppm. The northernmost portion of Pear Street did not qualify for excavation based on the XRF sample measurements.

On October 16, 2007, START screened 29 15- by 15-foot grids in the north concrete pad prior to excavation. Over 85 XRF sample measurements were taken, and Figure 3 shows the pre-excavation XRF screening locations and Table 1 shows the corresponding XRF lead measurements. All of the results that exceeded the soil cleanup criterion action level were measured in soil that had accumulated on the concrete pad in this area. Based on these results, it was decided that all soil would be scraped off of the northern concrete pad during the excavation phase.

3.3 EXCAVATION, BACKFILL, AND SEALING/CAPPING ACTIVITIES

ERRS excavated soil containing lead concentrations exceeding the soil cleanup criterion action level of 800 ppm. After the pre-excavation XRF screening, the contaminated surficial soil cover was scraped off the south concrete pad, north concrete pad, Pear Street, and the area south of the LWPA to the concrete or asphalt surfaces beneath. The LWPA was determined to be the main focus of the excavation because it contained the highest on-site lead concentrations. An excavator and a skidsteer were used for all soil removal activities. The final depth of the excavations was determined based on real-time XRF results measured during the excavation. Any soil registering at or above the soil cleanup criterion action level for lead was removed.

START and ERRS personnel wore Level D personal protective equipment (PPE) during active excavation periods except when stated otherwise in the detailed sections below. During the entirety of the excavation activities, START conducted air monitoring for particulates downwind of the excavation activities using a model DR-4000 (Thermo Andersen, Georgia) DataRAM4 operating in logging mode. Concentrations exceeded the action level on October 16 during chipping of vegetation. Concentrations exceeding 0.14 mg/m^3 were recorded, and operators donned respirators during wood-chipping activities.

Excavation, backfill, and sealing/capping activities in each area are discussed below.

South Concrete Pad: On October 11, 2007, ERRS scraped approximately 1 to 2 inches of vegetation and soil from an area on the south concrete pad. ERRS chipped the excavated vegetation and stockpiled the removed soil in the southwestern portion of the LWPA. Post-excavation XRF concentrations were all below the soil cleanup criterion action level in this area. New gravel was added to the scraped areas and

other topographic low points at the concrete pad on October 17, 2007. The south concrete pad was capped with a two inch layer of asphalt on November 13, 2007.

Pear Street: On October 12, 2007, ERRS excavated the surficial soil and soil/gravel mix in the middle to southern portions of Pear Street. New gravel was added to scraped out, topographically low areas, and the area was graded on October 17, 2007. Pear Street was capped with a two inch layer of asphalt on November 13, 2007.

Lead Waste Pile Area: The excavation of LWPA began on October 12, 2007, when ERRS removed approximately 1 foot of soil from the entire LPWA, exposing two buried sidewalks. Excavation of the LWPA continued through October 15, 2007. Approximately 4 feet of soil was removed from the northern portion of the LWPA, where most of the lead contamination was detected. In the middle and southern portions of the LWPA, approximately 3 and 2 feet of soil was removed, respectively. ERRS and START wore Level C PPE when removing soil and debris located near the fire hydrant in the northwestern portion of the LWPA. The XRF readings were at or above 710,000 ppm in the vicinity of the fire hydrant prior to excavation.

ERRS removed one large tree located on the easternmost portion of the LWPA next to the PLS Site building structure. Initial attempts were made to preserve the tree by excavating soil around the tree using hand tools; however, enough soil removal resulting in lower lead concentrations could not be achieved through shoveling alone. The tree was removed in order to excavate more soil and meet the soil cleanup action criterion for the surrounding soil. The tree was chipped in a wood chipper machine.

During excavation of the northeast corner of the LWPA on October 16, 2007, a particular organic/petroleum-type odor was noticed. START used a Model 580B organic vapor meter (OVM) to assess the vapor contamination which was likely due to the presence of volatile organic compounds (VOC). Bagged soil samples yielded 366 and 341 ppm readings for organic vapors. Along the excavated soil surface, the OVM values were between 1 and 5 ppm. It was decided that analytical confirmation sampling would be performed in this northeastern corner to specifically identify the VOC contamination. This northeastern corner was covered with orange plastic fencing prior to backfilling. The orange plastic fencing layer represents the horizon of organic vapor contamination.

All excavated soils were stockpiled in the southwestern portion of the LWPA. Real-time XRF screening occurred during excavation activities to ensure the removal of all soils that did not comply with the soil cleanup criterion action level. Approximately 462 tons of soil was removed from the LWPA. The entire excavated LWPA was backfilled with clean sand and graded. Due to varying excavation depths, the

northeastern corner was backfilled with approximately 4 feet of clean sand, while the southern most portion of the LWPA was backfilled with approximately 1.5 feet of clean sand. The LWPA was not capped with asphalt.

Area South of Lead Waste Pile Area: ERRS scraped approximately 6 inches of soil and broken weathered asphalt from the area south of the LWPA. Post-excavation XRF screening results in this area still exceeded the soil cleanup criterion action level. Orange plastic fencing was laid down in this excavated area and then buried with fresh sand backfill. The orange plastic fencing layer represents the horizon at which the lead contamination begins. The backfilled sand area was ultimately capped with a two inch layer of asphalt on November 13, 2007.

North Concrete Pad: On October 16, 2007, ERRS excavated approximately 6 inches to 1 foot of soil in the northeastern region of the north concrete pad. The northeast corner of the pad contained the area of accumulated soil and vegetation where the pre-excavation XRF results exceeded the soil action criteria. The north concrete pad was overlain with clean sand backfill and graded with a skidsteer on October 17, 2007. This area was brought up to grade with the south concrete pad, eliminating the 1- to 2-foot elevation differential between the two pads. The north concrete pad area was not capped with asphalt.

3.4 ANALYTICAL SAMPLING

On October 15 and 16, 2007, START collected 12 LWPA post-excavation/cleanup verification (confirmation) soil samples (see Figure 4). Soil samples were collected using disposable trowels and placed into laboratory-supplied 4-ounce glass jars. All soil samples were sent to PDC Laboratories, Inc., in Peoria, Illinois, for analysis.

Eleven confirmation soil samples (SSLWP20 through SSLWP30), including one duplicate and one matrix spike/ matrix spike duplicate, were collected from the LWPA on October 15, 2007. These 11 soil samples were analyzed for total lead using U.S. EPA solid waste (SW) method SW-846 6010B R2.0. START also screened these 11 samples using an XRF analyzer. Table 2 shows the comparative results.

All soil sample results were compared to conservative soil screening levels, the Tiered Approach to Corrective Action Objectives (TACO) Tier 1 levels as outlined in Title 35 of the *Illinois Administrative Code* (IAC) Part 742, Appendix B, Table B, for industrial/commercial properties. The more conservative ingestion or inhalation value was selected as the screening level. For ease in comparing XRF and analytical results, 1 milligram is equal to one part per million of a kilogram; therefore, 1 ppm is equivalent to 1 mg/kg.

All 11 soil samples analyzed for total lead had XRF measurements ranging from nondetect to a maximum value of 317 ppm (see Table 2). Of the 11 confirmation soil samples analyzed for total lead, 10 exhibited concentrations below the TACO Tier 1 screening level of 800 mg/kg. The ten analytical lead concentrations ranged from 3.3 to 73 mg/kg (see Table 2). The only exceedance of the TACO Tier 1 criterion was at sampling location SSLWP28. Although the XRF result for this sampling location was below 800 mg/kg, the analytical result was 1,000 mg/kg. This sample was collected from approximately 4 feet bgs.

Sampling location SSLWP28 is also located in the area where organic vapors were detected, and START collected an additional soil sample (SSLWP31) from this area on October 16, 2007. This sample was analyzed for VOCs, semivolatile organic compounds (SVOC), polychlorinated biphenyls (PCB), and pesticides. The respective analytical methods used for soil sample SSLWP31 included U.S. EPA methods SW-846 8260B R2.0, SW-846 8270C R3.0, SW-846 8082 R0.0, and SW-846 8081A R1.0. Tables 3 and 4 present the analytical results for VOCs and SVOCs, respectively, for soil sample SSLWP31. PCBs and pesticide compounds were not detected in this sample.

For both VOC and SVOC analytical results, PDC Laboratories, Inc., reported both native soil sample concentrations (measured soil moisture of 11 percent) and dry soil sample results. Tables 3 and 4 show both analytical result values.

Eight compounds, seven of which are chlorinated compounds, were detected in soil sample SSLWP31: 1,1,1,2-tetracholoroethane; 1,1,1-TCA; 1,1-dichloroethane; 1,1-dichloroethene; 1,3,5-trimethylbenzene; chlorobenzene; PCE; and TCE. The PCE concentrations exceeded the TACO Tier 1 screening criterion by about a factor of 15. The TCE concentrations of 1.1 and 1.2 mg/kg did not exceed the TACO Tier 1 screening criterion; however, the results were of the same order of magnitude as the screening criterion value of 8.9 mg/kg. TCE is also a known daughter product of PCE through the process of reductive dechlorination. Two SVOCs were detected in sample SSLWP31: benzo(b)fluoranthene and pyrene. Neither compound exceeded its TACO Tier 1 screening criteria.

3.4 WASTE CONSOLIDATION AND DISPOSAL

All excavated soils were stockpiled on the southwest end of the LWPA. During rain events, this soil was covered with plastic sheeting. During excavation, transportation of stockpiled soils occurred. Beginning the morning of October 15 and continuing through October 18, 2007, five truckloads per day (at approximately 22 tons per truck) of contaminated soil were transported from the site. One additional

truckload was transported off site on October 19, 2007. In total, approximately 462 tons of lead-contaminated soil was transported from the site and disposed of at the American Environmental Services, Inc., facility in Calvert City, Kentucky. Table 5 summarizes the waste disposal activities.

4.0 SUMMARY

The PLS Site removal action occurred from October 11 through 19, 2007, with final capping occurring on November 13, 2007. During this removal action, START (1) provided appropriate technical information that detailed strategies to mitigate the threat to human health and the environment from hazardous substances at the site; (2) provided U.S. EPA with technical support in monitoring on-site activities; (3) provided cost oversight; (4) collected and documented facts regarding the discharge or release or threat of discharge or release, including source(s) and cause(s); (5) analyzed the nature, amount, and location of discharged or released materials; (6) analyzed the probable direction and time of travel of discharged or released materials; (7) analyzed whether the discharge is a worst-case discharge in accordance with Section 300.324 of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP); (8) identified pathways for human and environmental exposure; (9) developed options to abate, prevent, minimize, stabilize, mitigate, contain, control, eliminate, or remove the release or threat of release; and (10) recommended waste disposal options.

The removal action at PLS Site consisted of site mobilization, XRF screening and analytical sampling, soil excavation, capping the concrete pad, and hazardous waste consolidation and disposal. All identified hazardous waste-contaminated soil was removed from PLS Site and transported to an appropriate off-site disposal facility (see Table 5).

Post-excavation analytical results for soil samples collected from the PLS Site indicated that only one sample (SSLWP28) contained lead at a concentration exceeding the TACO Tier 1 screening level of 800 mg/kg, and sample SSLWP31 contained PCE at a concentration exceeding the TACO Tier 1 screening level of 20 mg/kg. Two SVOC compounds were detected below the TACO Tier 1 screening levels, and no PCBs or pesticides were detected.

At the completion of the removal action, the south concrete pad, Pear Street, and the area south of the LWPA were capped with two inches of asphalt. Portions of the north concrete pad and LWPA were covered with approximately 3 or more feet of clean sandy soil back fill. Both capping and backfilling remedies were conducted to reduce the threat of contact or inhalation of any remaining lead contamination above the soil cleanup criterion action level of 800 ppm.

5.0 REFERENCES

Ecology and Environment, Inc. (E&E). 1996. "Removal Action Report. Prairieland Steel Site, Havana, Mason County, Illinois." March.

STN Environmental JV (STN). 2006. "Final Site Assessment Report. Prairieland Steel Site, Havana, Mason County, Illinois." October.

STN. 2007. "Health and Safety Plan for Prairieland Steel Site, Havana, Mason County, Illinois." December.

TABLES

(Ten Sheets)

TABLE 1			
PRE-EXCAVATION XRF SCREENING MEASUREMENTS FOR LEAD			
PRAIRIELAND STEEL SITE			
HAVANA, MASON COUNTY, ILLINOIS			
Date	**Sample Location**	**XRF Sample ID**	**Lead XRF Result (ppm)**
10/11/07	South Concrete Pad	PAD 1	**1,185**
		PAD 2	**1,372**
		PAD 3	**7,027**
		PAD 4	363.6
		PAD 5	1092
10/11/07	Lead Waste Pile Area	LWP 1	**467.7**
		LWP 2	**5,919**
		LWP 3	**5,693**
		LWP 3 Deep 12"	**484.3**
		LWP 3 Deep 6"	**14,600**
		LWP 3 Deep 8"	**12,600**
		LWP Truck 1	**3,428**
		LWP TruckK 2	**4426**
		LWP 4	**276,200**
		LWP 5	**2,177**
		LWP 6	**3,031**
		LWP 7	**1,371**
		LWP 8	**5,173**
		LWP 9	**2,205**
10/11/07	South of Lead Waste Pile Area	Drain 1	370.3
		Drain 2	**2,678**
		Drain 3	**1,204**
		Track 1	**782.5**
		Track 2	60.7
		Track 3	292.9
		Asphalt 1	293.4
		Trailer 1	**556.8**
		Trailer 2	385.6
		Driveway 1	**785**
		Driveway 2	385.5
		Driveway 3	**896.1**
10/12/07	South of Lead Waste Pile Area	Bldg 1	**25,021.77**
		Bldg 2	**628.42**
		Bldg 3	380.22
		Bldg 4	**637.75**
10/16/07	North Concrete Pad	N Pad 1	212.1
		N Pad 2	491.6
		N Pad 3	339.5
		N Pad 4	196.7
		N Pad 5	187.5
		N Pad 6	131.4
		N Pad 7	221.9

TABLE 1			
PRE-EXCAVATION XRF SCREENING MEASUREMENTS FOR LEAD			
PRAIRIELAND STEEL SITE			
HAVANA, MASON COUNTY, ILLINOIS			
Date	**Sample Location**	**XRF Sample ID**	**XRF Result (ppm)**
10/16/07	North Concrete Pad	N Pad 8	248.9
		N Pad 9	473.8
		N Pad 10	**1,856**
		N Pad 11	**1,100**
		N Pad 12	471.6
		N Pad 13	406.5
		N Pad 14	182.3
		N Pad 15	363.3
		N Pad 16	455.9
		N Pad 17	142.4
		N Pad 18	198.2
		N Pad 19	**1,950**
		N Pad 20	**1,772**
		N Pad 20	**1,14.4**
		N Pad 21	**1,416**
		N Pad 22	**1,915**
		N Pad 23	287.4
		N Pad 24	167.0
		N Pad 25	216.9
		N Pad 26	**1083**
		N Pad 27	448.6
		N Pad 28	184.0
		N Pad 29	**1549**
10/12/07	South Pear Street	Pear Street 1	**1,737**
		Pear Street 2	**514.0**
		Pear Street 3	**1,479**
		Pear Street 4	**5,804**
		Pear Street 5	**1,378**
		Pear Street 6	**2,225**
		Pear Street 7	**1,602**
		Pear Street 8	**4,077**
		Pear Street 9	**6,008**
		Pear Street 10	391.3
		Pear Street 11	**2,939**
		Pear Street 12	**759.1**
		Pear Street 13	**903.1**
		Pear Street 14	**1,967**
		Pear Street 15	**1,585**
		Pear Street 15	**1,411**
		Pear Street 16	**1,992**
		Pear Street 17	**609.1**
		Pear Street 17	**707.8**

TABLE 1			
PRE-EXCAVATION XRF SCREENING MEASUREMENTS FOR LEAD			
PRAIRIELAND STEEL SITE			
HAVANA, MASON COUNTY, ILLINOIS			
Date	**Sample Location**	**XRF Sample ID**	**XRF Result (ppm)**
10/12/07	South Pear Street	Pear Street 18	**600.9**
		Pear Street 19	398.5
		Pear Street 20	408.7
		Pear Street 21	**4,831**

Notes:

Results in **bold** font exceed the lead soil action level of 600 mg/kg and corresponding substrate was subject to the removal action.

ppm Part per million
LWP Lead waste pile
XRF X-ray fluorescence

TABLE 2 POST-EXCAVATION LEAD ANALYTICAL RESULTS IN SOIL PRAIRIELAND STEEL SITE HAVANA, MASON COUNTY, ILLINOIS				
Date	**Sampling Location**	**Analytical Result[a] (mg/kg)**	**XRF Result (ppm)**	**TACO[b] (mg/kg)**
10/15/07	SSLWP20	22	35.9	800
	SSLWP21	9.6	ND	
	SSLWP22	12	23.2	
	SSLWP23	46	229	
	SSLWP24	6.8	265.8	
	SSLWP25	4.4	ND	
	SSLWP26	4.3	74.5	
	SSLWP27	3.3	ND	
	SSLWP28	**1,000**	317	
	SSLWP29	73	123	
	SSLWP30 (SSLWP20 DUP)	26	35.9	

Notes:

Results in **bold** font exceed the lead industrial-commercial TACO level of 800 mg/kg.

DUP Duplicate sample
mg/kg Milligram per kilogram
ND Analyte not detected
ppm Part per million
SSLWP Soil sample lead waste pile
TACO Tiered Approach to Corrective Action Objectives
XRF X-ray fluorescence

a Analytical results from PDC Laboratories, Inc., of Peoria, Illinois
b Value from Title 35 of the *Illinois Administrative Code* (IAC), Part 742 Appendix B, Table B, Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties

TABLE 3 POST-EXCAVATION VOC ANALYTICAL RESULTS IN SOIL PRAIRIELAND STEEL SITE HAVANA, MASON SOUNTY, ILLINOIS				
Date	**Sampling Location**	**Analyte**	**Analytical Result[a] (mg/kg)**	**TACO[b] (mg/kg)**
10/16/2007	SSLWP31	1,1,1,2-Tetrachloroethane	0.014	NC
		1,1,1,2-Tetrachloroethane (Dry)	0.016	
		1,1,1-Trichloroethane	16	1,200
		1,1,1-Trichloroethane (Dry)	18	
		1,1-Dichloroethane	0.039	1,700
		1,1-Dichloroethane (Dry)	0.044	
		1,1-Dichloroethene	0.077	470
		1,1-Dichloroethene (Dry)	0.088	
		1,3,5-Trimethylbenzene	0.007	NC
		1,3,5-Trimethylbenzene (Dry)	0.008	
		Chlorobenzene	0.013	210
		Chlorobenzene (Dry)	0.015	
		Tetrachloroethene	**290**	20
		Tetrachloroethene (Dry)	**330**	
		Trichloroethene	1.1	8.9
		Trichloroethene (Dry)	1.2	

Notes:

Results in **bold** font exceed the industrial-commercial TACO levels.

mg/kg Milligram per kilogram
NC No criterion
SSLWP Soil sample lead waste pile
TACO Tiered Approach to Corrective Action Objectives
VOC Volatile organic compound

a Analytical result from PDC Laboratories, Inc., of Peoria, Illinois
b Values from Title 35 of the *Illinois Administrative Code* (IAC), Part 742 Appendix B, Table B, Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties

TABLE 4 POST EXCAVATION SVOC ANALYTICAL RESULTS IN SOIL PRAIRIELAND STEEL SITE HAVANA, MASON SOUNTY, ILLINOIS				
Date	**Sampling Location**	**Analyte**	**Analytical Result[a] (mg/kg)**	**TACO[b] (mg/kg)**
10/16/2007	SSLWP31	Benzo(b)fluoranthene	0.35	8
		Benzo(b)fluoranthene (Dry)	0.39	
		Pyrene	0.37	61,000
		Pyrene (Dry)	0.42	

Notes:

mg/kg Milligram per kilogram
SSLWP Soil sample lead waste pile
SVOC Semivolatile organic compound
TACO Tiered Approach to Corrective Action Objectives

a Analytical results from PDC Laboratories, Inc., of Peoria, Illinois
b Values from Title 35 of the *Illinois Administrative Code* (IAC), Part 742 Appendix B, Table B, Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties

TABLE 5 WASTE DISPOSAL SUMMARY PRAIRIELAND STEEL SITE HAVANA, MASON SOUNTY, ILLINOIS					
Waste Category	**Quantity**	**Date Shipped**	**Manifest Number**	**Disposal Method**	**Facility, Location, and Telephone Number**
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/15/07	2106232 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/15/07	2106233 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/15/07	2106234 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/15/07	2106235 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/15/07	2106236 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/16/07	2106262 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504

TABLE 5 WASTE DISPOSAL SUMMARY PRAIRIELAND STEEL SITE HAVANA, MASON SOUNTY, ILLINOIS					
Waste Category	**Quantity**	**Date Shipped**	**Manifest No**	**Disposal Method**	**Facility**
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/16/07	2106263 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/16/07	2106264 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/16/07	2106265 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/16/07	2106266 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/17/07	2106257 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/17/07	2106258 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504

TABLE 5 WASTE DISPOSAL SUMMARY PRAIRIELAND STEEL SITE HAVANA, MASON SOUNTY, ILLINOIS					
Waste Category	**Quantity**	**Date Shipped**	**Manifest No**	**Disposal Method**	**Facility**
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/17/07	2106259 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/17/07	2106260 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/17/07	2106261 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/18/07	2106252 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/18/07	2106253 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/18/07	2106254 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504

TABLE 5 WASTE DISPOSAL SUMMARY PRAIRIELAND STEEL SITE HAVANA, MASON SOUNTY, ILLINOIS					
Waste Category	**Quantity**	**Date Shipped**	**Manifest No**	**Disposal Method**	**Facility**
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/18/07	2106255 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/18/07	2106256 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504
RQ, NA3077, Hazardous Waste, Solid, N.O.S. (lead-contaminated soil), 9, PGIII (D008)	22 Tons	10/19/07	2106251 JJK	Landfill	American Environmental Services, Inc. 1689 Shar-Cal Rd. Calvert City, KY 42029 (270) 395-0504

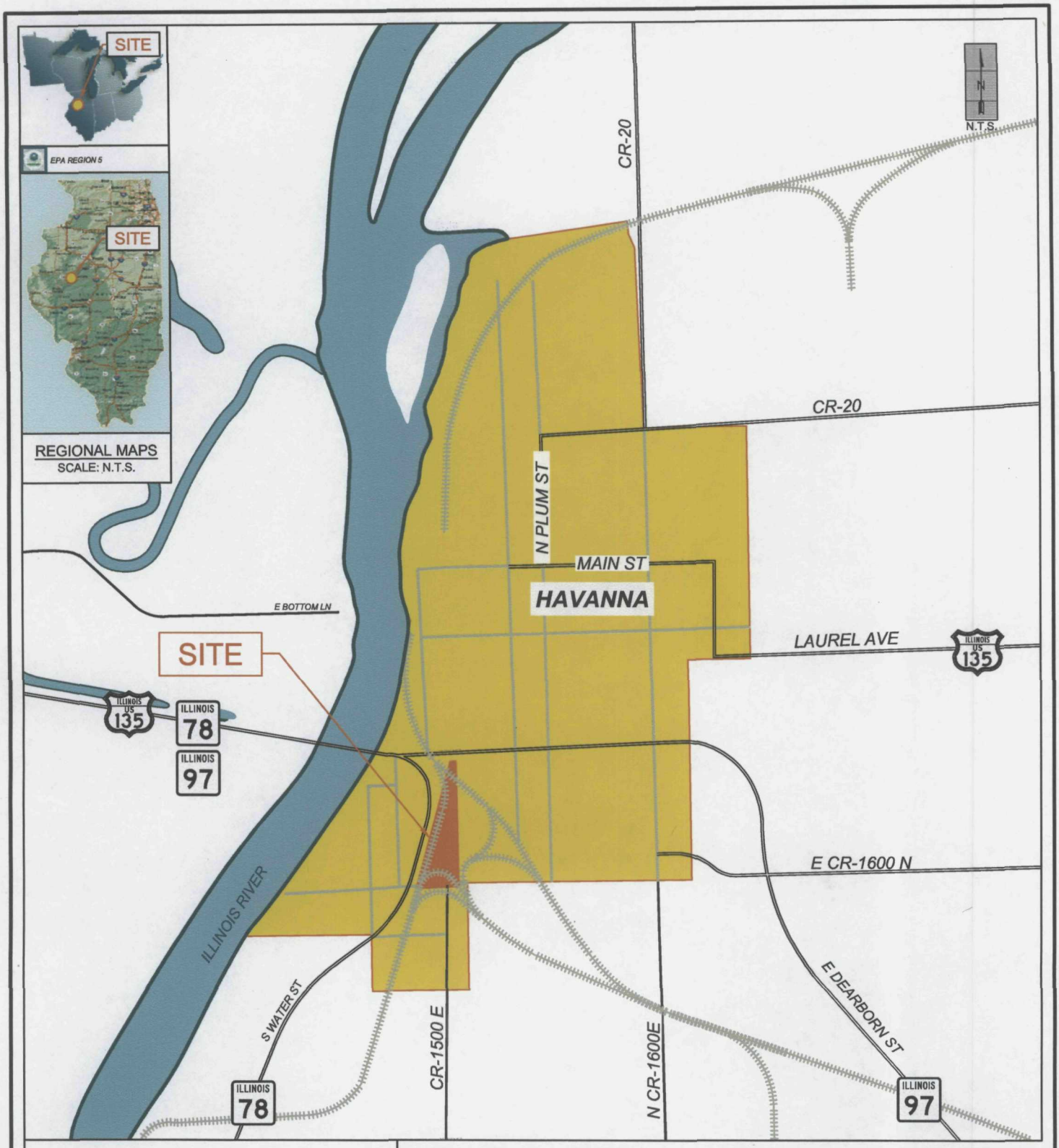
Notes:

NA North American identification number
N.O.S. Not otherwise specified
PG Packing group
RQ Reportable quantity

FIGURES

(Four Sheets)

- Figure 1: Site Location Map
- Figure 2: Site Features Map
- Figure 3: Pre-Excavation XRF Screening Locations
- Figure 4: Post-Excavation Confirmation Sample Locations and Results (3 views)



DRAWING NO.
FIGURE 1

DRAWN BY: D. GRANT
CHECKED BY: J. KNOEPFLE
DATE: APRIL 2008

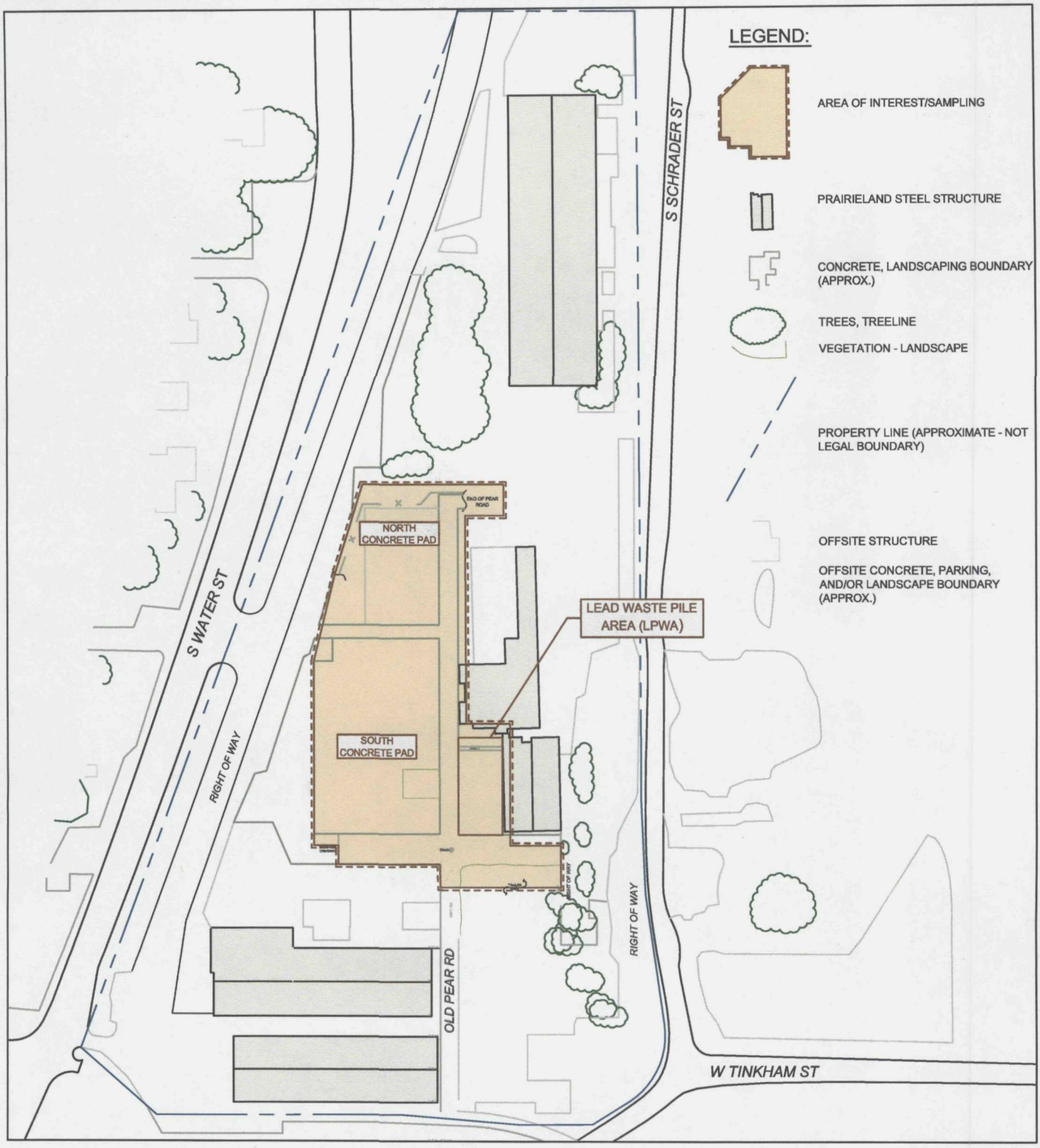
STN ENVIRONMENTAL JV

SITE LOCATION MAP

PRAIRIELAND STEEL
REMOVAL ACTION
550 SOUTH PEAR STREET
HAVANA, ILLINOIS

TDD No: S05-0710-001

EPA REGION 5 - PRAIRIELAND STEEL_FIGURE 1_V07APR08.DSG



DRAWING NO.

FIGURE 2

DRAWN BY: D. GRANT

CHECKED BY: J. KNOEPFLE

DATE: APRIL 2008

STN ENVIRONMENTAL JV

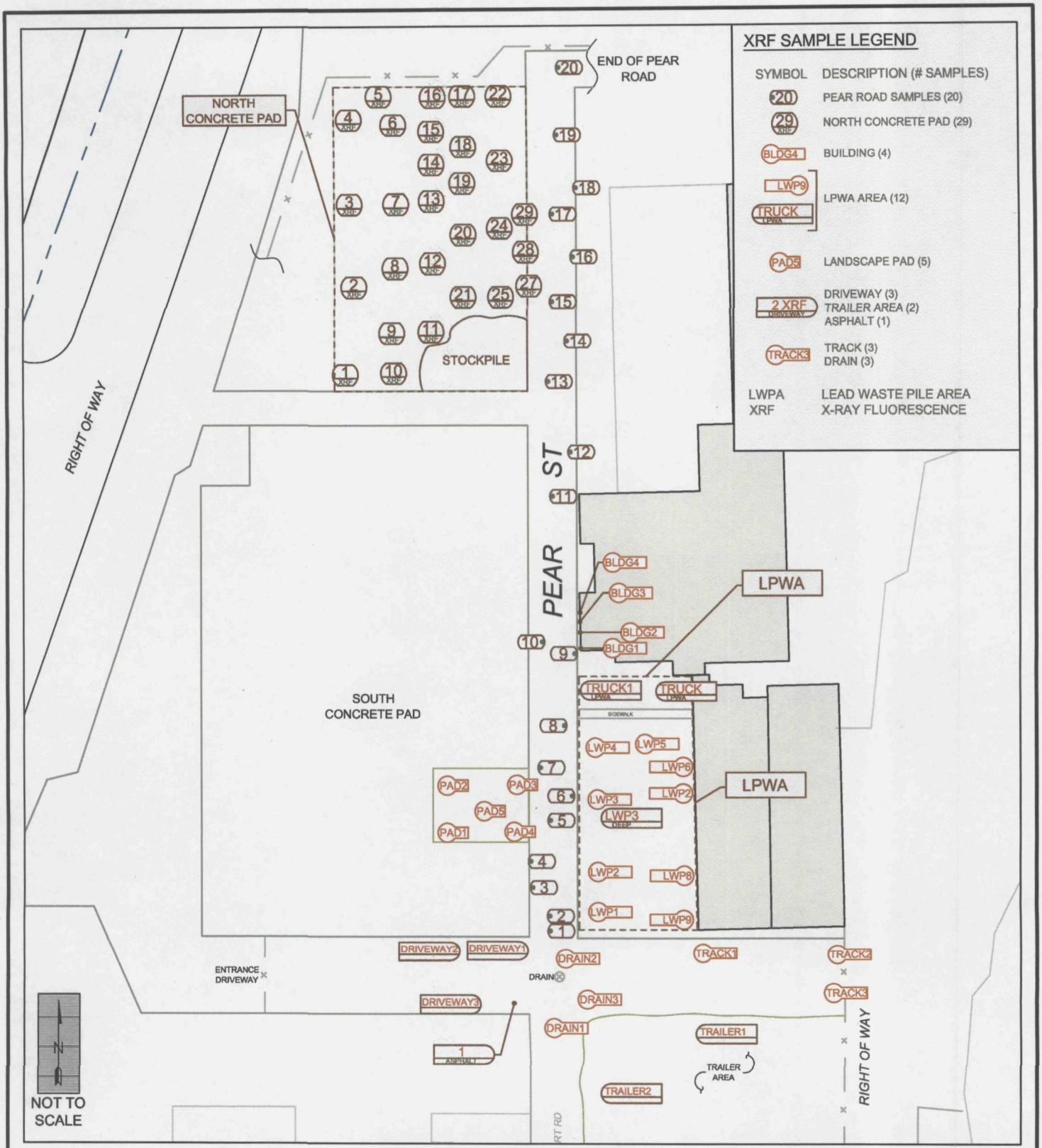
SITE FEATURES MAP

PRAIRIELAND STEEL REMOVAL ACTION

550 SOUTH PEAR STREET
HAVANA, ILLINOIS

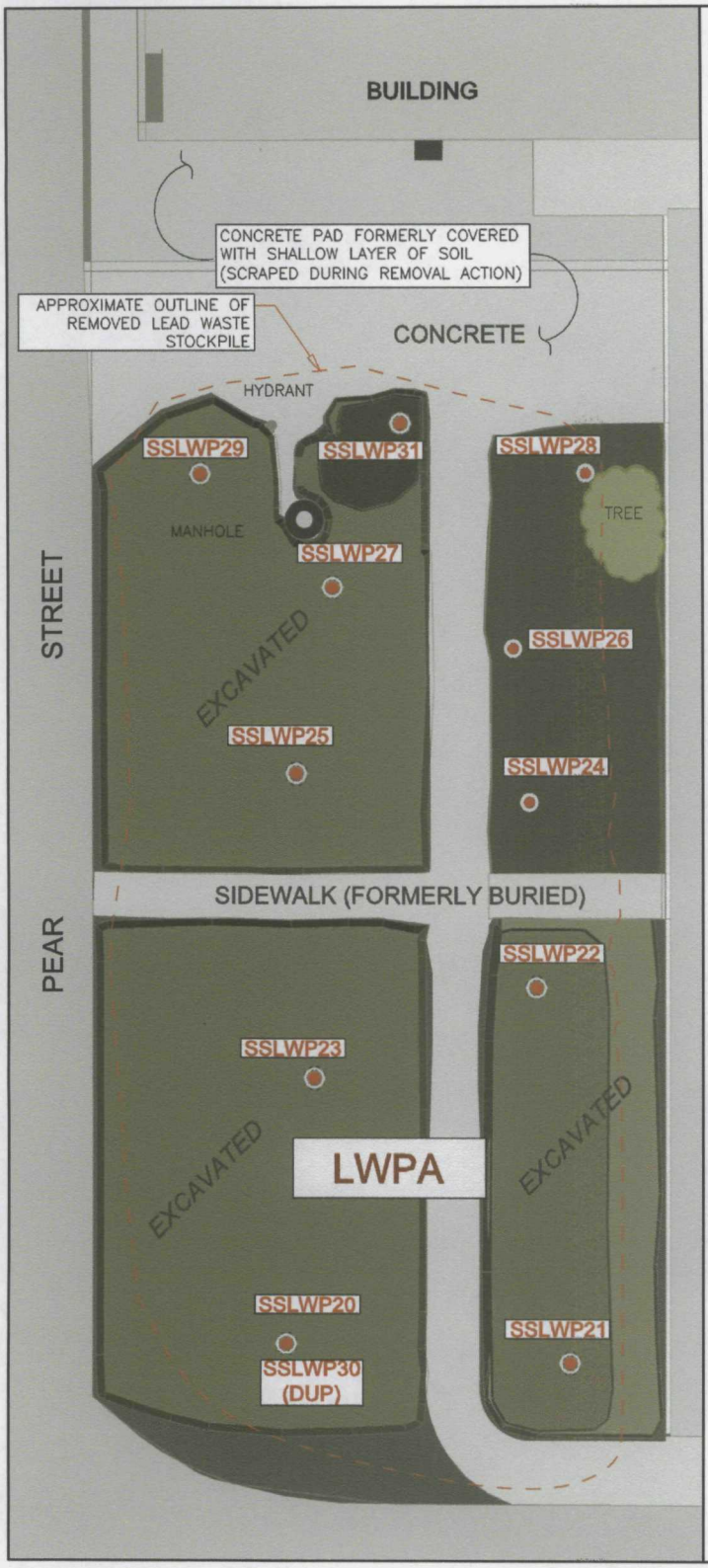
TDD No: S05-0710-001

PRAIRIELAND STEEL FIGURE 2 V04A2808.DSG



DRAWING NO. FIGURE 3	PRE-EXCAVATION XRF READINGS
DRAWN BY: D. GRANT CHECKED BY: J. KNOEPFLE DATE: APRIL 2008	PRAIRIELAND STEEL REMOVAL ACTION 550 SOUTH PEAR STREET HAVANA, ILLINOIS
STN ENVIRONMENTAL JV	TDD No: S05-0710-001

PRAIRIE LAND STEEL FIGURE 3_V04A2R08.DGG



LEGEND:

SSLWP31 — LEAD WASTE PILE SAMPLE LOCATION AND IDENTIFICATION

FORMER LEAD WASTE PILE

NOTES:

LWPA	LEAD WASTE PILE AREA
PPM	PARTS PER MILLION
mg/kg	MILLIGRAMS PER KILOGRAM

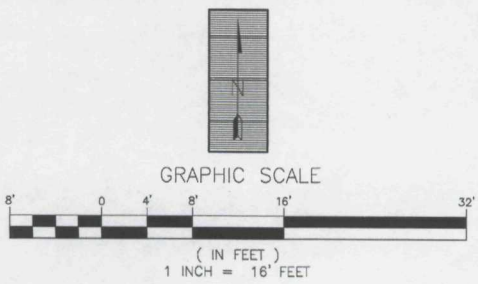
RED HIGHLIGHED VALUES IN TABLES BELOW INDICATE EXCEEDANCE OF TIERED APPROACH TO CORRECTIVE ACTION (TACO) TIER 1 OBJECTIVE

ANALYTICAL RESULTS FOR TOTAL LEAD IN SOIL

SAMPLE ID	RESULT (PPM)	XRF RESULT (PPM)
SSLWP20	22	35.9
SSLWP21	9.6	ND
SSLWP22	12	23.2
SSLWP23	46	229
SSLWP24	6.8	265.8
SSLWP25	4.4	ND
SSLWP26	4.3	74.5
SSLWP27	3.3	ND
SSLWP28	**1000**	317
SSLWP29	73	123
SSLWP30 (DUP)	26	35.9

ANALYTICAL RESULTS FOR VOCs IN SOIL

SAMPLE ID	COMPOUND NAME	RESULT (mg/kg)	TACO (mg/kg)
SSLWP31	1,1,1,2-Tetrachloroethane	0.014	NC
	1,1,1,2-Tetrachloroethane (Dry)	0.016	
	1,1,1-Trichloroethane	16	1200
	1,1,1-Trichloroethane (Dry)	18	
	1,1-Dichloroethane	0.039	1700
	1,1-Dichloroethane (Dry)	0.044	
	1,1-Dichloroethene	0.077	470
	1,1-Dichloroethene (Dry)	0.088	
	1,3,5-Trimethylbenzene	0.007	NC
	1,3,5-Trimethylbenzene (Dry)	0.008	
	Chlorobenzene	0.013	210
	Chlorobenzene (Dry)	0.015	
	Tetrachloroethene	**290**	20
	Tetrachloroethene (Dry)	**330**	
	Trichloroethene	1.1	8.9
	Trichloroethene (Dry)	1.2	



DRAWING NO.
FIGURE 4

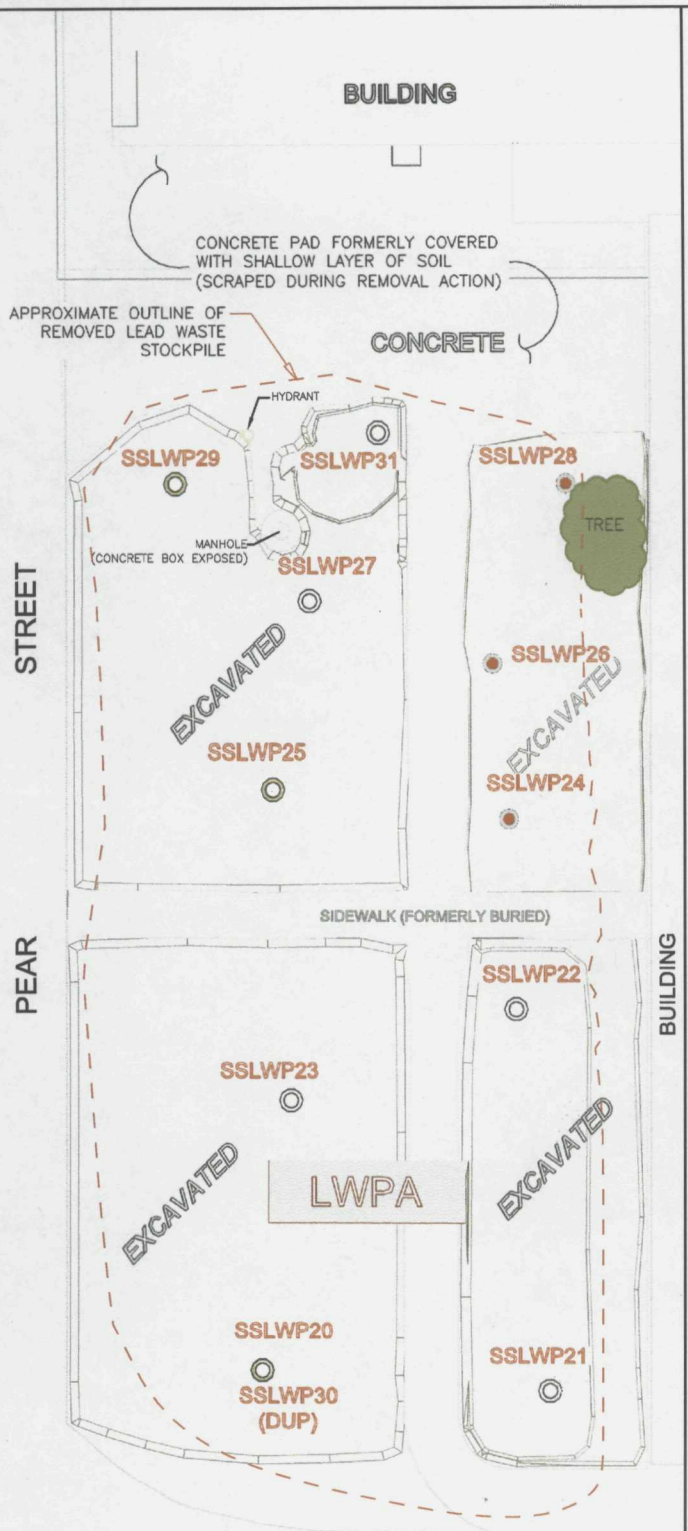
DRAWN BY: D. GRANT
CHECKED BY: J. KNOEPFLE
DATE: JUNE 2008

POST-EXCAVATION CONFIRMATION SAMPLE LOCATIONS AND RESULTS
PRAIRIELAND STEEL REMOVAL ACTION
550 SOUTH PEAR STREET
HAVANA, ILLINOIS

STN ENVIRONMENTAL JV

TDD No: S05-0710-001

PRAIRIELAND STEEL FIGURE 4.WOR NOV 2009



LEGEND:

SSLWP31 — LEAD WASTE PILE SAMPLE LOCATION AND IDENTIFICATION

FORMER LEAD WASTE PILE

NOTES:

LWPA	LEAD WASTE PILE AREA
PPM	PARTS PER MILLION
mg/kg	MILLIGRAMS PER KILOGRAM

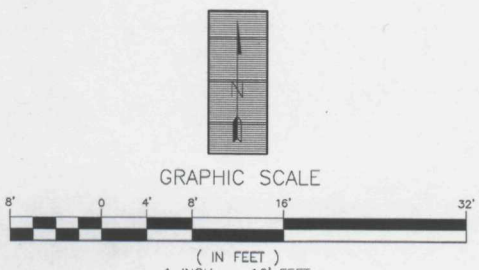
RED HIGHLIGHED VALUES IN TABLES BELOW INDICATE EXCEEDANCE OF TIERED APPROACH TO CORRECTIVE ACTION (TACO) TIER 1 OBJECTIVE

ANALYTICAL RESULTS FOR TOTAL LEAD IN SOIL

SAMPLE ID	RESULT (PPM)	XRF RESULT (PPM)
SSLWP20	22	35.9
SSLWP21	9.6	ND
SSLWP22	12	23.2
SSLWP23	46	229
SSLWP24	6.8	265.8
SSLWP25	4.4	ND
SSLWP26	4.3	74.5
SSLWP27	3.3	ND
SSLWP28	**1000**	317
SSLWP29	73	123
SSLWP30 (DUP)	26	35.9

ANALYTICAL RESULTS FOR VOCs IN SOIL

SAMPLE ID	COMPOUND NAME	RESULT (mg/kg)	TACO (mg/kg)
SSLWP31	1,1,1,2-Tetrachloroethane	0.014	NC
	1,1,1,2-Tetrachloroethane (Dry)	0.016	
	1,1,1-Trichloroethane	16	1200
	1,1,1-Trichloroethane (Dry)	18	
	1,1-Dichloroethane	0.039	1700
	1,1-Dichloroethane (Dry)	0.044	
	1,1-Dichloroethene	0.077	470
	1,1-Dichloroethene (Dry)	0.088	
	1,3,5-Trimethylbenzene	0.007	NC
	1,3,5-Trimethylbenzene (Dry)	0.008	
	Chlorobenzene	0.013	210
	Chlorobenzene (Dry)	0.015	
	Tetrachloroethene	**290**	20
	Tetrachloroethene (Dry)	**330**	
	Trichloroethene	1.1	8.9
	Trichloroethene (Dry)	1.2	



DRAWING NO.
FIGURE 4

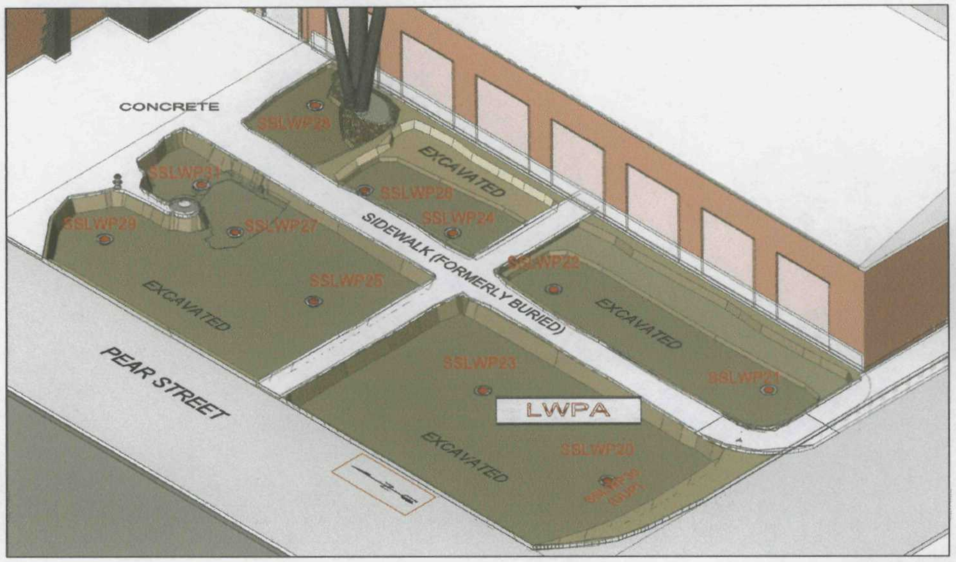
DRAWN BY: D. GRANT
CHECKED BY: J. KNOEPFLE
DATE: JUNE 2008

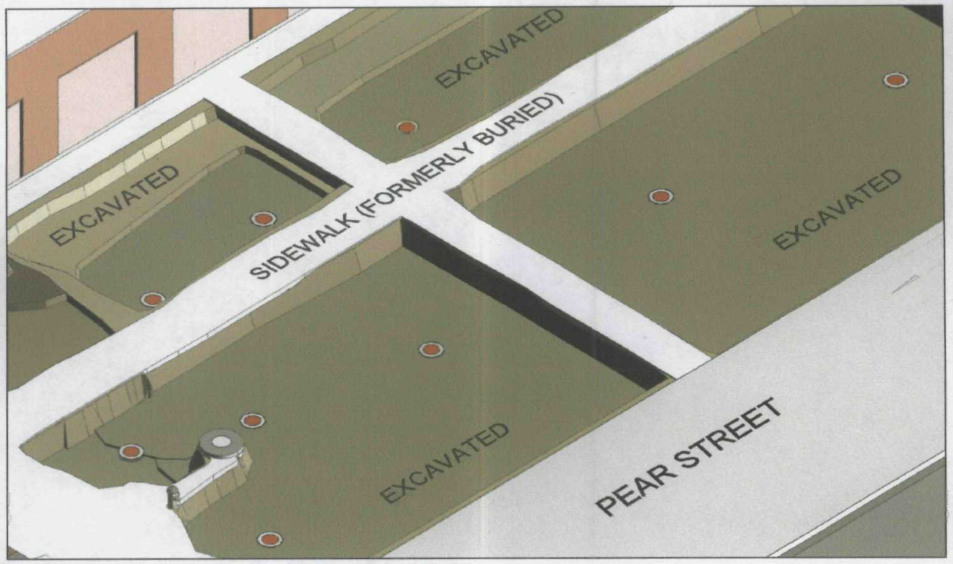
POST-EXCAVATION CONFIRMATION SAMPLE LOCATIONS AND RESULTS
PRAIRIELAND STEEL REMOVAL ACTION
550 SOUTH PEAR STREET
HAVANA, ILLINOIS

STN ENVIRONMENTAL JV

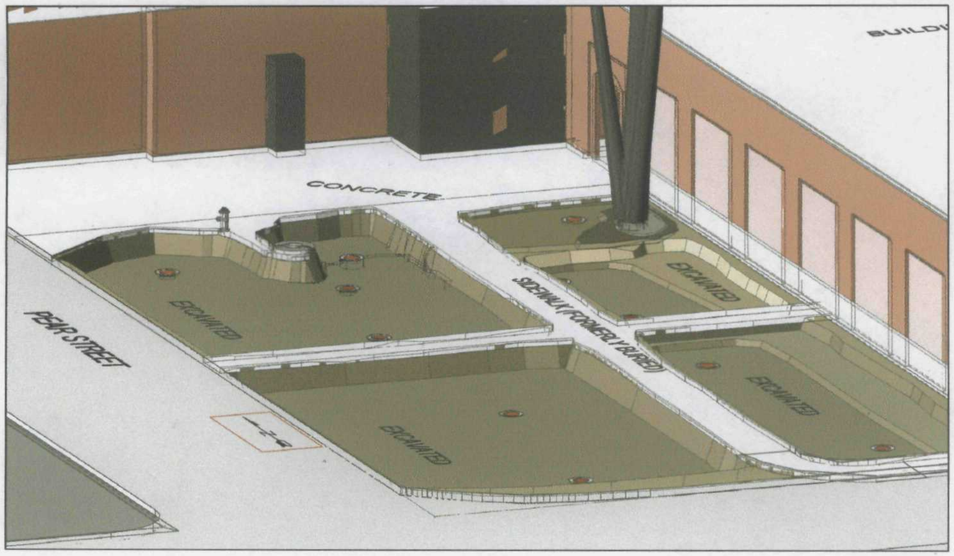
TDD No: S05-0710-001

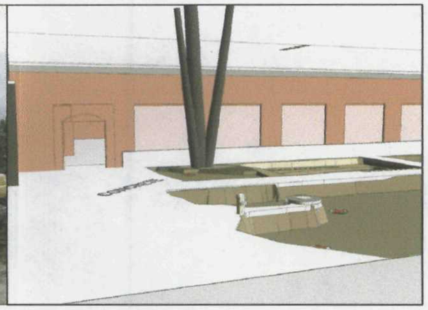
PRAIRIELAND STEEL FIGURE 4 VOLUME.DGN





LEAD WASTE PILE AREA
EXCAVATION ISOMETRIC VIEWs





DRAWING NO.	POST-EXCAVATION CONFIRMATION SAMPLE LOCATIONS AND RESULTS PRAIRIELAND STEEL REMOVAL ACTION 550 SOUTH PEAR STREET HAVANA, ILLINOIS
ISOMETRIC VIEWS	
DRAWN BY: D. GRANT CHECKED BY: J. KNOEPFLE DATE: APRIL 2008	
STN ENVIRONMENTAL JV	TDD No: S05-0710-001

APPENDIX A

PHOTOGRAPHIC LOG

(13 Pages)

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 11, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	1
Comment	LWPA; view oriented south

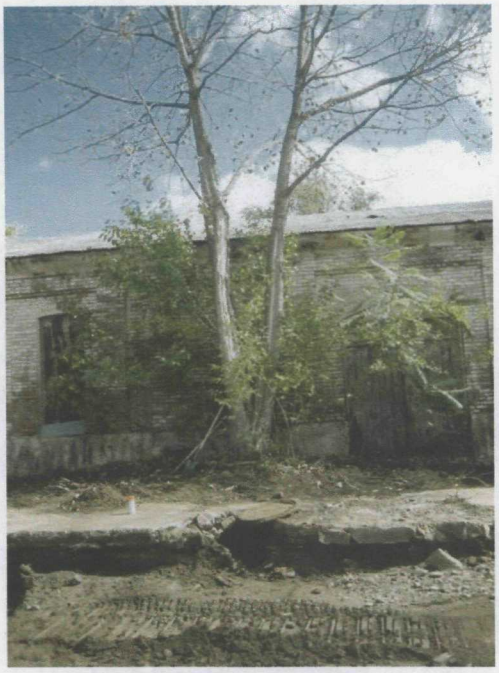
Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 11, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	2
Comment	Closeup of LWPA; note lead dross and other debris in pile; view oriented west

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 16, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	3
Comment	Closeup of lead dross located near fire hydrant; XRF reading 710,000 ppm; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 11, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	4
Comment	South concrete pad with small, square, vegetated area that was excavated; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 12, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	5
Comment	Area south of LWPA; note drain and asphalt; area excavated to a depth of about 6 inches bgs; view oriented south

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 11, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	6
Comment	North concrete pad; view oriented west



Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 15, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	7
Comment	Large tree in LWPA; note shovels used to excavate around roots; view oriented east

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 16, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	8
Comment	Large tree in LWPA being excavated; view oriented east

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 16, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	9
Comment	Wood chipper grinding up excavated vegetation; view oriented northwest

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 12, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	10
Comment	DataRAM 4 setup monitoring particulates downwind; view oriented southwest

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 15, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	11
Comment	Excavated LWPA with exposed (formerly buried) sidewalks; note stockpile on southwest portion of LWPA; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 15, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	12
Comment	Three samples collected from LWPA for total lead analysis; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	13
Comment	PID reading of 343 ppm from soil in northeast corner of LWPA

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 16, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	14
Comment	Stockpiled soil (manifested as lead-contaminated soil) being loaded in truckbed for disposal; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	15
Comment	Orange plastic fencing placed in area south of LWPA near drain; view oriented west.

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	16
Comment	Orange plastic fencing in area south of LWPA being covered with gravel prior to capping; view oriented east

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	17
Comment	Clean sand soil being delivered for backfilling; view oriented southeast

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	18
Comment	Excavator backfilling LWPA; view oriented northwest

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	19
Comment	Orange plastic fencing placed in northeast corner of LWPA prior to backfilling; fencing identifies an area of potential vapor concerns; view oriented south

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	20
Comment	Backfilling topographic lows in the south concrete pad with gravel; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	21
Comment	Completed infilling of topographic lows with gravel next to former PLS Site building; view oriented south

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	22
Comment	Completed infilling of gravel in topographic lows in former Pear Street; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 16, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	23
Comment	North concrete pad scraped by excavator and skidsteer to removal surface vegetation and soil; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 17, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	24
Comment	North concrete pad backfilled with 1 to 2 feet of clean sand soil; view oriented northeast

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	October 18, 2007
Photographer:	Jennifer Knoepfle
Photograph No.:	25
Comment	Completed backfilling of LWPA and gravel grading in area south of LWPA; view oriented north

Site:	Prairieland Steel Site
TDD:	S05-0710-001
Date:	November 13, 2007
Photographer:	Mike Ribordy
Photograph No.:	26
Comment	Capping of south concrete pad, Pear Street, and area south of LWPA; view oriented north.

APPENDIX B

ANALYTICAL RESULTS

(12 Sheets)

PDC Laboratories, Inc.

Earth Tech
5010 Stone Mill Road

Bloomington, IN 47401

Attn: Mr. Andy Duwelius

Date Received: 16-Oct-07
Date Reported 17-Oct-07

Sample No: 07102856-1 Collect Date: 15-Oct-07 15:20
Client Id: PROJECT #97700 Site: SSLWP20 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	22	mg/kg	17-Oct-07 7:30	KJP

Sample No: 07102856-2 Collect Date: 15-Oct-07 15:25
Client Id: PROJECT #97700 Site: SSLWP21 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	9.6	mg/kg	17-Oct-07 7:30	KJP

Sample No: 07102856-3 Collect Date: 15-Oct-07 15:30
Client Id: PROJECT #97700 Site: SSLWP22 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	12	mg/kg	17-Oct-07 7:30	KJP

Sample No: 07102856-4 Collect Date: 15-Oct-07 15:35
Client Id: PROJECT #97700 Site: SSLWP23 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	46	mg/kg	17-Oct-07 7:30	KJP

Sample No: 07102856-5 Collect Date: 15-Oct-07 15:40
Client Id: PROJECT #97700 Site: SSLWP24 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	6.8	mg/kg	17-Oct-07 7:30	KJP

PDC Laboratories, Inc.

Earth Tech
5010 Stone Mill Road

Bloomington, IN 47401

Attn: Mr. Andy Duwelius

Date Received: 16-Oct-07
Date Reported 17-Oct-07

Sample No: 07102856-6 Collect Date: 15-Oct-07 15:45
Client Id: PROJECT #97700 Site: SSLWP25 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	4.4	mg/kg	17-Oct-07 7:30	KJP

Sample No: 07102856-7 Collect Date: 15-Oct-07 15:50
Client Id: PROJECT #97700 Site: SSLWP26 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	4.3	mg/kg	17-Oct-07 7:30	KJP

Sample No: 07102856-8 Collect Date: 15-Oct-07 15:55
Client Id: PROJECT #97700 Site: SSLWP27 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	3.3	mg/kg	17-Oct-07 7:30	KJP

Sample No: 07102856-9 Collect Date: 15-Oct-07 16:00
Client Id: PROJECT #97700 Site: SSLWP28 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	1000	mg/kg		KJP

Sample No: 07102856-10 Collect Date: 15-Oct-07 16:05
Client Id: PROJECT #97700 Site: SSLWP29 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	73	mg/kg		KJP

PDC Laboratories, Inc.

Earth Tech
5010 Stone Mill Road

Bloomington, IN 47401

Attn: Mr. Andy Duwelius

Date Received: 16-Oct-07
Date Reported 17-Oct-07

Sample No: 07102856-11 Collect Date: 15-Oct-07 16:10

Client id: PROJECT #97700 Site: SSLWP30 Locator: COMPOSITE

	Result	Units	Date / Time	By
SW-846 3051				
Sample Preparation			15-Oct-07 12:45	DAB
SW-846 6010B R2.0				
Lead	26	mg/kg		KJP

PDC Laboratories participates in the following laboratory accreditation/certification and proficiency programs. Endorsement by the Federal or State Government or their agencies is not implied.

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17533
Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (99829443
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

Certified by: Gail J Schindler
Gail Schindler, Project Manager

PDC Laboratories, Inc.

Earth Tech Inc.
7870 Villa Park Drive

Richmond, VA 23228

Attn: Ms. Ann-Alyssa King Hill

Date Received: 16-Oct-07
Date Reported 26-Oct-07

Sample No 07103030-1 Collect Date: 16-Oct-07 15:10

Client Id PROJECT #97700 Site: SSLWP31 Locator: COMPOSITE

		Result	Units	Date / Time	By
SM (18) 2540B					
Moisture		11	%	17-Oct-07 13:44	jrw
SW-846 8081A					
Sample Preparation				17-Oct-07 9:30	LRM
SW-846 8081A R1.0					
4 4'-DDD	<	16	ug/kg	19-Oct-07 1:41	ELS
4 4'-DDD	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
4 4'-DDE	<	16	ug/kg	19-Oct-07 1:41	ELS
4 4'-DDE	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
4 4'-DDT	<	16	ug/kg	19-Oct-07 1:41	ELS
4 4'-DDT	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
Aldrin	<	8	ug/kg	19-Oct-07 1:41	ELS
Aldrin	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
alpha-BHC	<	8	ug/kg	19-Oct-07 1:41	ELS
alpha-BHC	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
beta-BHC	<	8	ug/kg	19-Oct-07 1:41	ELS
beta-BHC	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
Chlordane (technical)	<	160	ug/kg	19-Oct-07 1:41	ELS
Chlordane (technical)	<	180	ug/kg Dry	19-Oct-07 1:41	ELS
delta-BHC	<	8	ug/kg	19-Oct-07 1:41	ELS
delta-BHC	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
Dieldrin	<	16	ug/kg	19-Oct-07 1:41	ELS
Dieldrin	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
Endosulfan I	<	8	ug/kg	19-Oct-07 1:41	ELS
Endosulfan I	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
Endosulfan II	<	16	ug/kg	19-Oct-07 1:41	ELS
Endosulfan II	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
Endosulfan Sulfate	<	16	ug/kg	19-Oct-07 1:41	ELS
Endosulfan Sulfate	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
Endrin	<	16	ug/kg	19-Oct-07 1:41	ELS
Endrin	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
Endrin Aldehyde	<	16	ug/kg	19-Oct-07 1:41	ELS
Endrin Aldehyde	<	18	ug/kg Dry	19-Oct-07 1:41	ELS
gamma-BHC (Lindane)	<	8	ug/kg	19-Oct-07 1:41	ELS
gamma-BHC (Lindane)	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
Heptachlor	<	8	ug/kg	19-Oct-07 1:41	ELS
Heptachlor	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
Heptachlor Epoxide	<	8	ug/kg	19-Oct-07 1:41	ELS
Heptachlor Epoxide	<	9	ug/kg Dry	19-Oct-07 1:41	ELS
Methoxychlor	<	80	ug/kg	19-Oct-07 1:41	ELS
Methoxychlor	<	90	ug/kg Dry	19-Oct-07 1:41	ELS

PDC Laboratories, Inc.

Earth Tech Inc.
7870 Villa Park Drive

Richmond, VA 23228

Attn: Ms. Ann-Alyssa King Hill

Date Received: 16-Oct-07
Date Reported 26-Oct-07

Sample No 07103030-1 Collect Date: 16-Oct-07 15:10

Client Id PROJECT #97700 Site: SSLWP31 Locator: COMPOSITE

		Result	Units	Date / Time	By
SW-846 8081A R1.0					
Toxaphene	<	80	ug/kg	19-Oct-07 1:41	ELS
Toxaphene	<	90	ug/kg Dry	19-Oct-07 1:41	ELS
SW-846 8082					
Sample Preparation				17-Oct-07 9:30	LRM
SW-846 8082 R0.0					
Aroclor 1016	<	80	ug/kg	19-Oct-07 1:43	ELS
Aroclor 1016	<	90	ug/kg Dry	19-Oct-07 1:43	ELS
Aroclor 1221	<	160	ug/kg	19-Oct-07 1:43	ELS
Aroclor 1221	<	180	ug/kg Dry	19-Oct-07 1:43	ELS
Aroclor 1232	<	80	ug/kg	19-Oct-07 1:43	ELS
Aroclor 1232	<	90	ug/kg Dry	19-Oct-07 1:43	ELS
Aroclor 1242	<	80	ug/kg	19-Oct-07 1:43	ELS
Aroclor 1242	<	90	ug/kg Dry	19-Oct-07 1:43	ELS
Aroclor 1248	<	80	ug/kg	19-Oct-07 1:43	ELS
Aroclor 1248	<	90	ug/kg Dry	19-Oct-07 1:43	ELS
Aroclor 1254	<	160	ug/kg	19-Oct-07 1:43	ELS
Aroclor 1254	<	180	ug/kg Dry	19-Oct-07 1:43	ELS
Aroclor 1260	<	160	ug/kg	19-Oct-07 1:43	ELS
Aroclor 1260	<	180	ug/kg Dry	19-Oct-07 1:43	ELS
PCBs Total	<	800	ug/kg	19-Oct-07 1:43	ELS
PCBs Total	<	900	ug/kg Dry	19-Oct-07 1:43	ELS
SW-846 8270C					
Sample Preparation				18-Oct-07 8:00	JMB
SW-846 8270C R3.0					
1 2,4-Trichlorobenzene	<	330	ug/kg	18-Oct-07 22:08	CAH
1 2,4-Trichlorobenzene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
1 2-Dichlorobenzene	<	330	ug/kg	18-Oct-07 22:08	CAH
1 2-Dichlorobenzene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
1 2-Diphenylhydrazine	<	330	ug/kg	18-Oct-07 22:08	CAH
1 2-Diphenylhydrazine	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
1 3-Dichlorobenzene	<	330	ug/kg	18-Oct-07 22:08	CAH
1 3-Dichlorobenzene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
1 4-Dichlorobenzene	<	330	ug/kg	18-Oct-07 22:08	CAH
1 4-Dichlorobenzene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2 3,4,6-Tetrachlorophenol	<	330	ug/kg	18-Oct-07 22:08	CAH
2 3,4,6-Tetrachlorophenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2 4,5-Trichlorophenol	<	1600	ug/kg	18-Oct-07 22:08	CAH
2 4,5-Trichlorophenol	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
2 4,6-Trichlorophenol	<	330	ug/kg	18-Oct-07 22:08	CAH
2 4,6-Trichlorophenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH

PDC Laboratories, Inc.

Earth Tech Inc.
7870 Villa Park Drive

Richmond, VA 23228

Attn: Ms. Ann-Alyssa King Hill

Date Received: 16-Oct-07
Date Reported 26-Oct-07

Sample No: 07103030-1 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: COMPOSITE

		Result	Units	Date / Time	By
SW-846 8270C R3.0					
2,4-Dichlorophenol	<	330	ug/kg	18-Oct-07 22:08	CAH
2,4-Dichlorophenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2,4-Dimethylphenol	<	330	ug/kg	18-Oct-07 22:08	CAH
2,4-Dimethylphenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2,4-Dinitrophenol	<	1600	ug/kg	18-Oct-07 22:08	CAH
2,4-Dinitrophenol	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
2,4-Dinitrotoluene	<	330	ug/kg	18-Oct-07 22:08	CAH
2,4-Dinitrotoluene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2,6-Dichlorophenol	<	330	ug/kg	18-Oct-07 22:08	CAH
2,6-Dichlorophenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2,6-Dinitrotoluene	<	330	ug/kg	18-Oct-07 22:08	CAH
2,6-Dinitrotoluene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2-Chloronaphthalene	<	330	ug/kg	18-Oct-07 22:08	CAH
2-Chloronaphthalene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2-Chlorophenol	<	330	ug/kg	18-Oct-07 22:08	CAH
2-Chlorophenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2-Methylnaphthalene	<	330	ug/kg	18-Oct-07 22:08	CAH
2-Methylnaphthalene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2-Methylphenol	<	330	ug/kg	18-Oct-07 22:08	CAH
2-Methylphenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
2-Nitroaniline	<	1600	ug/kg	18-Oct-07 22:08	CAH
2-Nitroaniline	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
2-Nitrophenol	<	1600	ug/kg	18-Oct-07 22:08	CAH
2-Nitrophenol	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
3,3'-Dichlorobenzidine	<	660	ug/kg	18-Oct-07 22:08	CAH
3,3'-Dichlorobenzidine	<	740	ug/kg Dry	18-Oct-07 22:08	CAH
3-Methylcholanthrene	<	330	ug/kg	18-Oct-07 22:08	CAH
3-Methylcholanthrene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
3-Nitroaniline	<	1600	ug/kg	18-Oct-07 22:08	CAH
3-Nitroaniline	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
4,6-Dinitro-2-methylphenol	<	1600	ug/kg	18-Oct-07 22:08	CAH
4,6-Dinitro-2-methylphenol	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
4-Bromophenyl-phenylether	<	330	ug/kg	18-Oct-07 22:08	CAH
4-Bromophenyl-phenylether	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
4-Chloro-3-Methylphenol	<	330	ug/kg	18-Oct-07 22:08	CAH
4-Chloro-3-Methylphenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
4-Chloroaniline	<	330	ug/kg	18-Oct-07 22:08	CAH
4-Chloroaniline	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
4-Chlorophenyl-phenyl Ether	<	330	ug/kg	18-Oct-07 22:08	CAH
4-Chlorophenyl-phenyl Ether	<	370	ug/kg Dry	18-Oct-07 22:08	CAH

Earth Tech Inc.
7870 Villa Park Drive

Richmond, VA 23228

Attn: Ms. Ann-Alyssa King Hill

Date Received: 16-Oct-07
Date Reported 26-Oct-07

Sample No: 07103030-1 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: COMPOSITE

		Result	Units	Date / Time	By
SW-846 8270C R3.0					
4-Methylphenol	<	330	ug/kg	18-Oct-07 22:08	CAH
4-Methylphenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
4-Nitroaniline	<	1600	ug/kg	18-Oct-07 22:08	CAH
4-Nitroaniline	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
4-Nitrophenol	<	1600	ug/kg	18-Oct-07 22:08	CAH
4-Nitrophenol	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
Acenaphthene	<	330	ug/kg	18-Oct-07 22:08	CAH
Acenaphthene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Acenaphthylene	<	330	ug/kg	18-Oct-07 22:08	CAH
Acenaphthylene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Aniline	<	330	ug/kg	18-Oct-07 22:08	CAH
Aniline	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Anthracene	<	330	ug/kg	18-Oct-07 22:08	CAH
Anthracene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Benzidine	<	2600	ug/kg	18-Oct-07 22:08	CAH
Benzidine	<	3000	ug/kg Dry	18-Oct-07 22:08	CAH
Benzo(a)anthracene	<	330	ug/kg	18-Oct-07 22:08	CAH
Benzo(a)anthracene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Benzo(a)pyrene	<	330	ug/kg	18-Oct-07 22:08	CAH
Benzo(a)pyrene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Benzo(b)fluoranthene		350	ug/kg	18-Oct-07 22:08	CAH
Benzo(b)fluoranthene		390	ug/kg Dry	18-Oct-07 22:08	CAH
Benzo(g,h,i)perylene	<	330	ug/kg	18-Oct-07 22:08	CAH
Benzo(g,h,i)perylene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Benzo(k)fluoranthene	<	330	ug/kg	18-Oct-07 22:08	CAH
Benzo(k)fluoranthene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Benzyl Alcohol	<	330	ug/kg	18-Oct-07 22:08	CAH
Benzyl Alcohol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
bis(2-Chloroethoxy)methane	<	330	ug/kg	18-Oct-07 22:08	CAH
bis(2-Chloroethoxy)methane	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
bis(2-Chloroethyl) Ether	<	330	ug/kg	18-Oct-07 22:08	CAH
bis(2-Chloroethyl) Ether	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Bis(2-chloroisopropyl)ether	<	330	ug/kg	18-Oct-07 22:08	CAH
Bis(2-chloroisopropyl)ether	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
bis(2-Ethylhexyl)phthalate	<	330	ug/kg	18-Oct-07 22:08	CAH
bis(2-Ethylhexyl)phthalate	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Butylbenzylphthalate	<	330	ug/kg	18-Oct-07 22:08	CAH
Butylbenzylphthalate	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Chrysene	<	330	ug/kg	18-Oct-07 22:08	CAH
Chrysene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH

Earth Tech Inc.
7870 Villa Park Drive

Richmond, VA 23228

Attn: Ms. Ann-Alyssa King Hill

Date Received: 16-Oct-07
Date Reported 26-Oct-07

Sample No: C7103030-1 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: COMPOSITE

		Result	Units	Date / Time	By
SW-846 8270C R3.0					
Dibenzo(a,h)anthracene	<	330	ug/kg	18-Oct-07 22:08	CAH
Dibenzo(a,h)anthracene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Dibenzofuran	<	330	ug/kg	18-Oct-07 22:08	CAH
Dibenzofuran	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Diethylphthalate	<	330	ug/kg	18-Oct-07 22:08	CAH
Diethylphthalate	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Dimethylphthalate	<	330	ug/kg	18-Oct-07 22:08	CAH
Dimethylphthalate	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Di-n-Butylphthalate	<	330	ug/kg	18-Oct-07 22:08	CAH
Di-n-Butylphthalate	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Di-n-octylphthalate	<	330	ug/kg	18-Oct-07 22:08	CAH
Di-n-octylphthalate	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Dioxin Screen	<	330	ug/kg	18-Oct-07 22:08	CAH
Dioxin Screen	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Diphenylamine	<	330	ug/kg	18-Oct-07 22:08	CAH
Diphenylamine	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Fluoranthene	<	330	ug/kg	18-Oct-07 22:08	CAH
Fluoranthene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Fluorene	<	330	ug/kg	18-Oct-07 22:08	CAH
Fluorene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Hexachlorobenzene	<	330	ug/kg	18-Oct-07 22:08	CAH
Hexachlorobenzene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Hexachlorobutadiene	<	330	ug/kg	18-Oct-07 22:08	CAH
Hexachlorobutadiene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Hexachlorocyclopentadiene	<	330	ug/kg	18-Oct-07 22:08	CAH
Hexachlorocyclopentadiene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Hexachloroethane	<	330	ug/kg	18-Oct-07 22:08	CAH
Hexachloroethane	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Indeno(1,2,3-cd)pyrene	<	330	ug/kg	18-Oct-07 22:08	CAH
Indeno(1,2,3-cd)pyrene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Isophorone	<	330	ug/kg	18-Oct-07 22:08	CAH
Isophorone	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Naphthalene	<	330	ug/kg	18-Oct-07 22:08	CAH
Naphthalene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Nitrobenzene	<	330	ug/kg	18-Oct-07 22:08	CAH
Nitrobenzene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
N-Nitrosodimethylamine	<	330	ug/kg	18-Oct-07 22:08	CAH
N-Nitrosodimethylamine	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
N-Nitroso-di-n-propylamine	<	330	ug/kg	18-Oct-07 22:08	CAH
N-Nitroso-di-n-propylamine	<	370	ug/kg Dry	18-Oct-07 22:08	CAH

Earth Tech Inc.
7870 Villa Park Drive

Richmond, VA 23228

Attn: Ms. Ann-Alyssa King Hill

Date Received: 16-Oct-07
Date Reported 26-Oct-07

Sample No: 07103030-1 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: COMPOSITE

		Result	Units	Date / Time	By
SW-846 8270C R3.0					
N-Nitrosodiphenylamine	<	330	ug/kg	18-Oct-07 22:08	CAH
N-Nitrosodiphenylamine	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Pentachlorophenol	<	1600	ug/kg	18-Oct-07 22:08	CAH
Pentachlorophenol	<	1800	ug/kg Dry	18-Oct-07 22:08	CAH
Phenanthrene	<	330	ug/kg	18-Oct-07 22:08	CAH
Phenanthrene	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Phenol	<	330	ug/kg	18-Oct-07 22:08	CAH
Phenol	<	370	ug/kg Dry	18-Oct-07 22:08	CAH
Pyrene		370	ug/kg	18-Oct-07 22:08	CAH
Pyrene		420	ug/kg Dry	18-Oct-07 22:08	CAH
Pyridine	<	330	ug/kg	18-Oct-07 22:08	CAH
Pyridine	<	370	ug/kg Dry	18-Oct-07 22:08	CAH

Sample No: 07103030-2 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: GRAB

		Result	Units	Date / Time	By
SM (18) 2540B					
Moisture		12	%	17-Oct-07 13:45	jrw
SW-846 8260B R2.0					
1,1,1,2-Tetrachloroethane		14	ug/kg	17-Oct-07 19:17	AH
1,1,1,2-Tetrachloroethane		16	ug/kg Dry	17-Oct-07 19:17	AH
1,1,1-Trichloroethane		16000	ug/kg	18-Oct-07 19:28	AH
1,1,1-Trichloroethane		18000	ug/kg Dry	18-Oct-07 19:28	AH
1,1,2,2-Tetrachloroethane	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,1,2,2-Tetrachloroethane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,1,2-Trichloroethane	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,1,2-Trichloroethane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,1-Dichloroethane		39	ug/kg	17-Oct-07 19:17	AH
1,1-Dichloroethane		44	ug/kg Dry	17-Oct-07 19:17	AH
1,1-Dichloroethene		77	ug/kg	17-Oct-07 19:17	AH
1,1-Dichloroethene		88	ug/kg Dry	17-Oct-07 19:17	AH
1,2,4-Trichlorobenzene	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,2,4-Trichlorobenzene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,2,4-Trimethylbenzene	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,2,4-Trimethylbenzene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,2-Dibromo-3-chloropropane	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,2-Dibromo-3-chloropropane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,2-Dichlorobenzene	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,2-Dichlorobenzene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,2-Dichloroethane	<	4.3	ug/kg	17-Oct-07 19:17	AH

PDC Laboratories, Inc.

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Date Received: 16-Oct-07
Date Reported 26-Oct-07

Sample No: 07103030-2 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: GRAB

		Result	Units	Date / Time	By
SW-846 8260B R2.0					
1,2-Dichloroethane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,2-Dichloropropane	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,2-Dichloropropane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,3,5-Trimethylbenzene		7	ug/kg	17-Oct-07 19:17	AH
1,3,5-Trimethylbenzene		8	ug/kg Dry	17-Oct-07 19:17	AH
1,3-Dichlorobenzene	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,3-Dichlorobenzene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
1,4-Dichlorobenzene	<	4.3	ug/kg	17-Oct-07 19:17	AH
1,4-Dichlorobenzene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
2-Butanone	<	8.6	ug/kg	17-Oct-07 19:17	AH
2-Butanone	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
2-Chloroethylvinyl Ether	<	4.3	ug/kg	17-Oct-07 19:17	AH
2-Chloroethylvinyl Ether	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
2-Hexanone	<	8.6	ug/kg	17-Oct-07 19:17	AH
2-Hexanone	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
4-Methyl-2-pentanone	<	8.6	ug/kg	17-Oct-07 19:17	AH
4-Methyl-2-pentanone	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
Acetone	<	8.6	ug/kg	17-Oct-07 19:17	AH
Acetone	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
Acetonitrile	<	120	ug/kg	17-Oct-07 19:17	AH
Acetonitrile	<	140	ug/kg Dry	17-Oct-07 19:17	AH
Acrolein	<	43	ug/kg	17-Oct-07 19:17	AH
Acrolein	<	49	ug/kg Dry	17-Oct-07 19:17	AH
Acrylonitrile	<	43	ug/kg	17-Oct-07 19:17	AH
Acrylonitrile	<	49	ug/kg Dry	17-Oct-07 19:17	AH
Benzene	<	4.3	ug/kg	17-Oct-07 19:17	AH
Benzene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Bromochloromethane	<	4.3	ug/kg	17-Oct-07 19:17	AH
Bromochloromethane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Bromodichloromethane	<	4.3	ug/kg	17-Oct-07 19:17	AH
Bromodichloromethane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Bromoform	<	4.3	ug/kg	17-Oct-07 19:17	AH
Bromoform	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Bromomethane	<	8.6	ug/kg	17-Oct-07 19:17	AH
Bromomethane	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
Carbon Disulfide	<	4.3	ug/kg	17-Oct-07 19:17	AH
Carbon Disulfide	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Carbon Tetrachloride	<	4.3	ug/kg	17-Oct-07 19:17	AH
Carbon Tetrachloride	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Chlorobenzene		13	ug/kg	17-Oct-07 19:17	AH

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Date Received: 16-Oct-07
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Sample No: 07103030-2 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: GRAB

		Result	Units	Date / Time	By
SW-846 8260B R2.0					
Chlorobenzene		15	ug/kg Dry	17-Oct-07 19:17	AH
Chloroethane	<	8.6	ug/kg	17-Oct-07 19:17	AH
Chloroethane	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
Chloroform	<	4.3	ug/kg	17-Oct-07 19:17	AH
Chloroform	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Chloromethane	<	8.6	ug/kg	17-Oct-07 19:17	AH
Chloromethane	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
cis-1,2-Dichloroethene	<	4.3	ug/kg	17-Oct-07 19:17	AH
cis-1,2-Dichloroethene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
cis-1,3-Dichloropropene	<	4.3	ug/kg	17-Oct-07 19:17	AH
cis-1,3-Dichloropropene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Dibromochloromethane	<	4.3	ug/kg	17-Oct-07 19:17	AH
Dibromochloromethane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Dichlorodifluoromethane	<	8.6	ug/kg	17-Oct-07 19:17	AH
Dichlorodifluoromethane	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
Ethylbenzene	<	1.7	ug/kg	17-Oct-07 19:17	AH
Ethylbenzene	<	1.9	ug/kg Dry	17-Oct-07 19:17	AH
Ethylene Dibromide	<	4.3	ug/kg	17-Oct-07 19:17	AH
Ethylene Dibromide	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
m,p-Xylene	<	4.3	ug/kg	17-Oct-07 19:17	AH
m,p-Xylene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Methylene Chloride	<	4.3	ug/kg	17-Oct-07 19:17	AH
Methylene Chloride	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Methyl-tert-Butyl Ether	<	4.3	ug/kg	17-Oct-07 19:17	AH
Methyl-tert-Butyl Ether	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
n-Butanol	<	860	ug/kg	17-Oct-07 19:17	AH
n-Butanol	<	980	ug/kg Dry	17-Oct-07 19:17	AH
o-Xylene	<	4.3	ug/kg	17-Oct-07 19:17	AH
o-Xylene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Styrene	<	4.3	ug/kg	17-Oct-07 19:17	AH
Styrene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Tetrachloroethene		290000	ug/kg	22-Oct-07 19:34	MWS
Tetrachloroethene		330000	ug/kg Dry	22-Oct-07 19:34	MWS
Toluene	<	4.3	ug/kg	17-Oct-07 19:17	AH
Toluene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
trans-1,2-Dichloroethene	<	4.3	ug/kg	17-Oct-07 19:17	AH
trans-1,2-Dichloroethene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
trans-1,3-Dichloropropene	<	4.3	ug/kg	17-Oct-07 19:17	AH
trans-1,3-Dichloropropene	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Trichloroethene		1100	ug/kg	18-Oct-07 19:56	AH

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Sample No: 07103030-2 Collect Date: 16-Oct-07 15:10

Client Id: PROJECT #97700 Site: SSLWP31 Locator: GRAB

		Result	Units	Date / Time	By
SW-846 8260B R2.0					
Trichloroethene		1200	ug/kg Dry	18-Oct-07 19:56	AH
Trichlorofluoromethane	<	4.3	ug/kg	17-Oct-07 19:17	AH
Trichlorofluoromethane	<	4.9	ug/kg Dry	17-Oct-07 19:17	AH
Vinyl Acetate	<	8.6	ug/kg	17-Oct-07 19:17	AH
Vinyl Acetate	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
Vinyl Chloride	<	8.6	ug/kg	17-Oct-07 19:17	AH
Vinyl Chloride	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH
Xylenes (Total)	<	8.6	ug/kg	17-Oct-07 19:17	AH
Xylenes (Total)	<	9.8	ug/kg Dry	17-Oct-07 19:17	AH

PDC Laboratories participates in the following laboratory accreditation/certification and proficiency programs. Endorsement by the Federal or State Government or their agencies is not implied.

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17533
Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (99829443
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

Certified by: Gail J Schindler
Gail Schindler, Project Manager